BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

RA 1ST AND FINAL BILL

Name of work: Improvements to Roads and Drains at Thindlu Colony, Kempegowdanagara and Surrounding areas in Ward No. 09 (Vidyaranyapura).

Estimated Cost : Rs. 100.00 Lakhs

Head of Account : P-1878 18% Grant Works

Name of Agency: Sri. Muniraju B.M, No. 04, Sri Hari Hara Vasa Nilaya, 19th Cross, Bhuvaneshwarinagara, H A Form Post, Bangalore - 24.

Work order No: BBMP/EE/BTP/WO/153/2020-21 Dated: 07.12.2020.

	Measurements Recarded on :								
Sl. No	**Description**	**Unit**	**No.**	**L**	**Av.B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.							Cum	
	Qty as per Premeasurement vide E-MB Page No. 01 to 03 is =						**494.22**	256.05	**126545.00**
2	Removing and refixing stone slabs of drains and pointing in CM (1:3)							Sqm	
	Qty as per Premeasurement vide E-MB Page No. 04 to is =						**793.80**	116.85	**92756.00**
3	Providing granite slabs of selected quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete							Sqm	
	Govt Hospital opp Road Thindlu		1	6.00	1.35		8.10		
	From Govt Hospital to GKVK Road		1	2.00	1.35		2.70		
	N/S		1	2.00	1.35		2.70		
			1	6.00	1.35		8.10		
			1	5.00	1.35		6.75		
	S/S		1	6.00	1.35		8.10		
			1	9.00	1.35		12.15		
			1	6.00	1.35		8.10		
			1	6.00	1.35		8.10		
			1	5.00	1.35		6.75		
	Sir MV Layout 12 A Cross		1	3.00	1.35		4.05		
	From Sathya Green Apartment S/S		1	3.00	1.35		4.05		
			1	5.00	1.35		6.75		
			1	4.00	1.35		5.40		
			1	5.00	1.35		6.75		
	N/S		1	6.00	1.35		8.10		
			1	6.50	1.35		8.78		
			1	3.00	1.35		4.05		
					Total Qty =		**119.48**		
					Qty Limited to =		**119.07**	779.03	**92759.00**

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Sl. No	Description	Unit	No.	L	Av.B	D	Qty	Rate	Amount
	Measurements Recarded on :								
4	Providing and laying Plain cement concrete of mix 1:3:6 with with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specification.							Cum	
	Qty as per Premeasurement vide E-MB Page No. 05 to 09 is =						**321.78**	5692.45	**1831717.00**
5	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.							Sqm	
	Culvert								
	Opp Thindlu Govt Hospital Vent Concrete		2	7.20	0.60	0.90	7.78		
			Total Qty =				**7.78**		
			Qty Limited to =				**6.48**	6102.00	**39541.00**

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BBMP, Bangalore - 97

Sl. No	Description	Unit	No.	L	Av.B	D	Qty	Rate	Amount
	Measurements Recarded on :								
6	Providing ruled pointing 20 mm deep to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.							Sqm	
	Culvert								
	Opp Thindlu Govt Hospital Vent Concrete		2	7.20		0.90	12.96		
				Total Qty =			**12.96**		
				Qty Limited to =			**10.80**	158.03	**1707.00**

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Sl. No	Description	Unit	No.	L	Av.B	D	Qty	Rate	Amount
	Measurements Recarded on :								
7	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.	Sqm							
	Qty as per Premeasurement vide E-MB Page No. 10 to 12 is =						**1891.20**	1028.31	**1944740.00**
8	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum							
	Qty as per Premeasurement vide E-MB Page No. 13 to 17 is =						**198.24**	5879.42	**1165536.00**
9	Providing precast slab of 100 mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate.	Sqm							
	B S Slab Covering								
	Govt Hospital opp Road Thindlu								
	From Govt Hospital to GKVK Road								
	N/S		1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	10.50	0.90		9.45		
	S/S								
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	10.50	0.90		9.45		

Sl. No	Description	Unit	No.	L	Av.B	D	Qty	Rate	Amount
	From Govt Hospital towards GKVK Road								
	E/S		1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	12.30	0.90		11.07		
	W/S								
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	12.30	0.90		11.07		
	Aswatha Katte opp Road								
	N/S		1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	5.20	0.90		4.68		
	Bullet Krishnappa LO 1st Cross Road, Thindlu								
	E/S		1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	9.60	0.90		8.64		
	W/S								
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	9.60	0.90		8.64		
	Sir MV Layout 12 A Cross								
	From Sathya Green Apartment S/S								
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	16.50	0.90		14.85		
	From Sathya Green Apartment N/S								
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		
			1	15.00	0.90		13.50		

Assistant Executive Engi
Yelahanka Sub Divi
BBMP, Bangalore - 9

Sl. No	Description	Unit	No.	L	Av.B	D	Qty	Rate	Amount
			1	15.00	0.90		13.50		

Sl. No	Description	Unit	No.	L	Av.B	D	Qty	Rate	Amount
10	Providing precast slab of 250 mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate.							Sqm	
	B S Slab Covering								
	Govt Hospital opp Road Thindlu								
	From Govt Hospital to GKVK Road								
			12	1.80	0.60		12.96		
					Total Qty =		**12.96**		
					Qty Limited to =		**12.96**	5688.36	**73721.00**
	Sub Total								**9290888.00**
	GST @ 12%								**1114907.00**
								Total	**10405795.00**

2/3/22

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